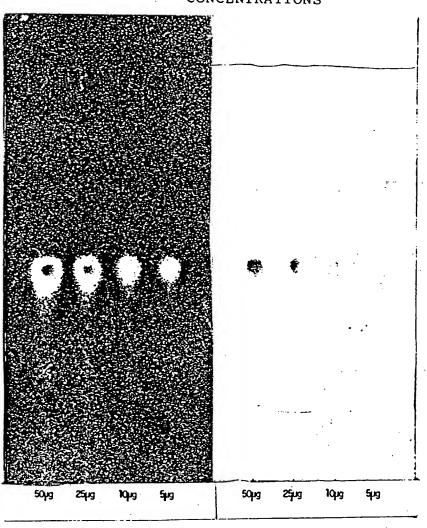
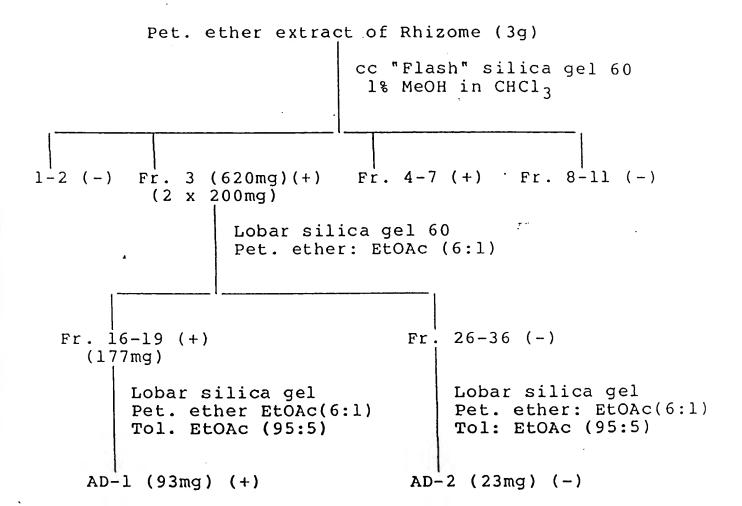
Fig. 1

ANTIFUNGAL ACTIVITY OF Labda-8(17),12-diene-15,16-dial (AD-1)AGAINST Cladosporium cucumerinum AT DIFFERENT CONCENTRATIONS



SCHEME FOR THE ISOLATION OF ANTIFUNGAL CONSTITUENTS OF Aframomum daniellii K. Schum (Fam. Zingiberaceae)



- + active
- inactive

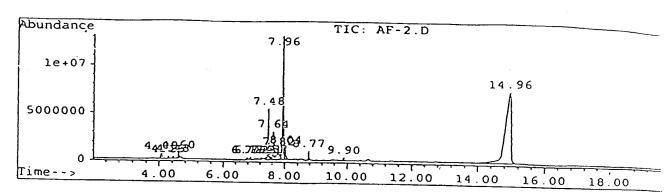


Fig 2A

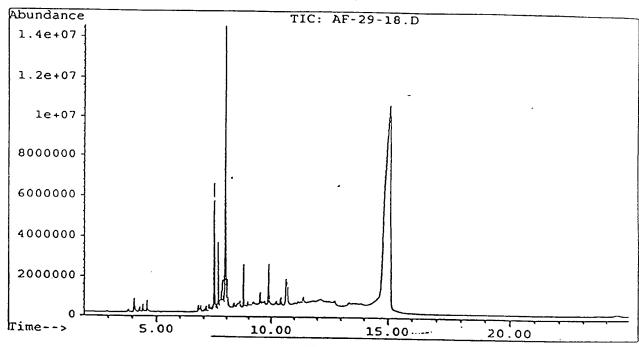


Fig 2B

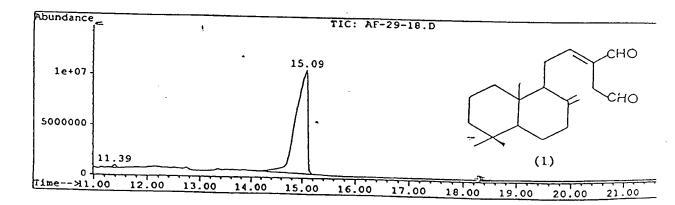


Figure 2C

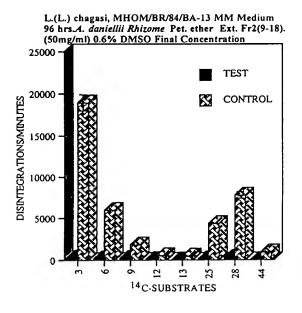


Figure 2D

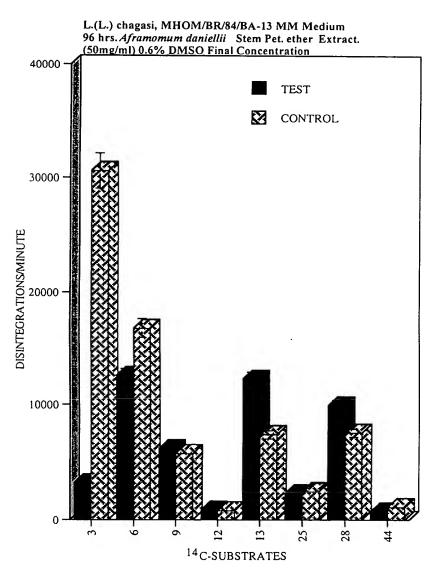
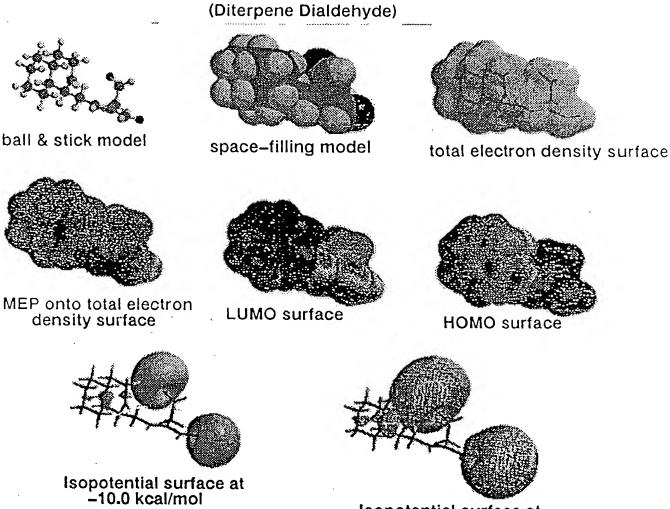


FIGURE 2E

Molecular Representation of Labda-8 (17), 12-diene-15,16- diai



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FIG. : 4 2F

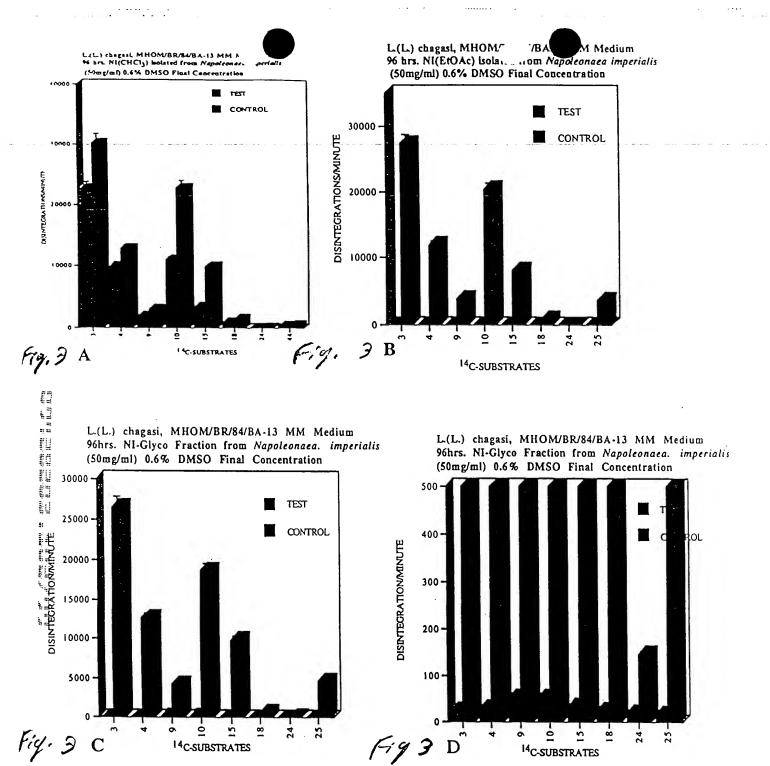


Figure 3 Test results from Napoleonaea imperialis..

At 50µg/ml suppression of parasite catabolism of 8 of ¹⁴C-Substrates occurred

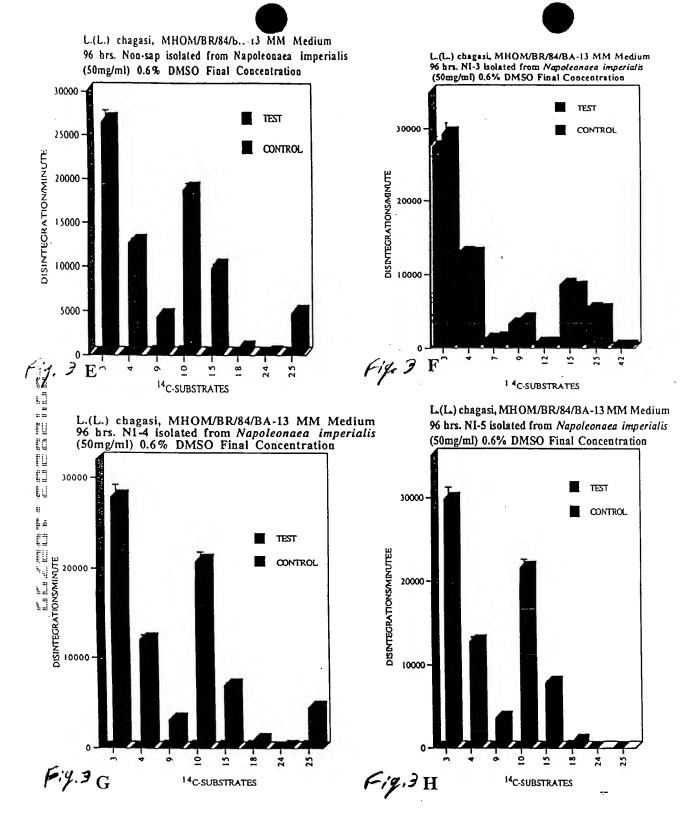


Figure 3 Test results from Napoleonaea imperialis.. At 50µg/ml suppression of parasite catabolism of 8 of ¹⁴C-Substrates occurred

Data File C:\HPCHEM\1\DATA\0050396C.D

Sample Name: E00 60

5"90:10-40"30:70 Water:ACN

long C18 column

1.0m

DAD 254nm 1/min

: IRDBAY.M Acq. Method : dgbg

Seq. Line : Vial: 100

Inj:

Acq. Operator

Sample Name

that the second state with the second state that the second second is the second second second that the second sec

: E00 60/45

Inj Volume : 10 μ l

Analysis Method : C:\HPCHEM\1\METHODS\IRDBAY.M

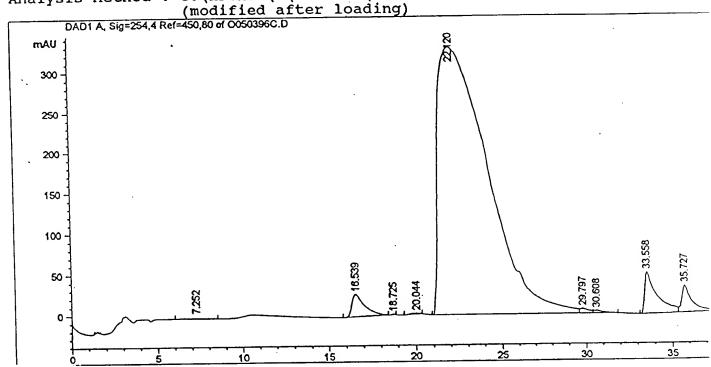


Figure 31 Liquid Chromatographic Separation of Eupatorium odoratum Antileishmanial Fraction E00 60-104.

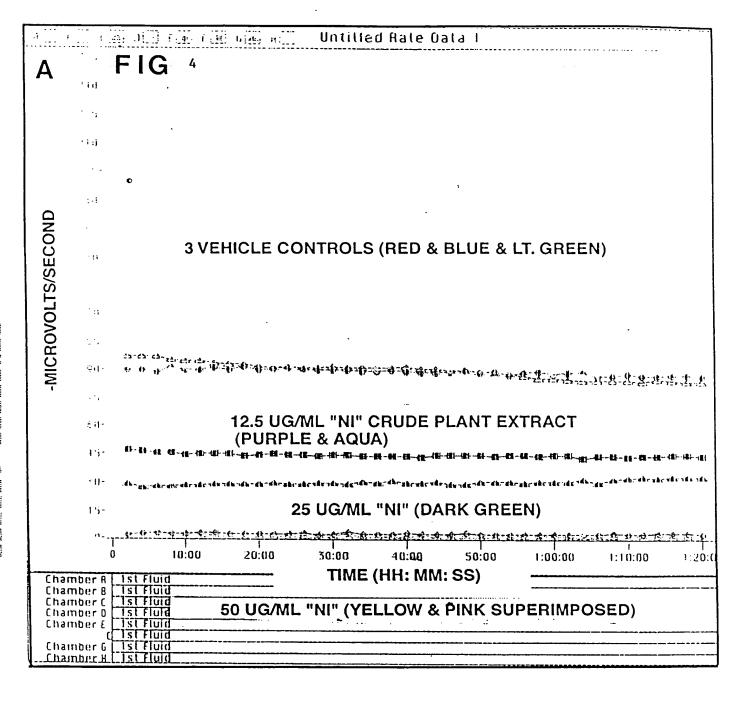


Figure 4A

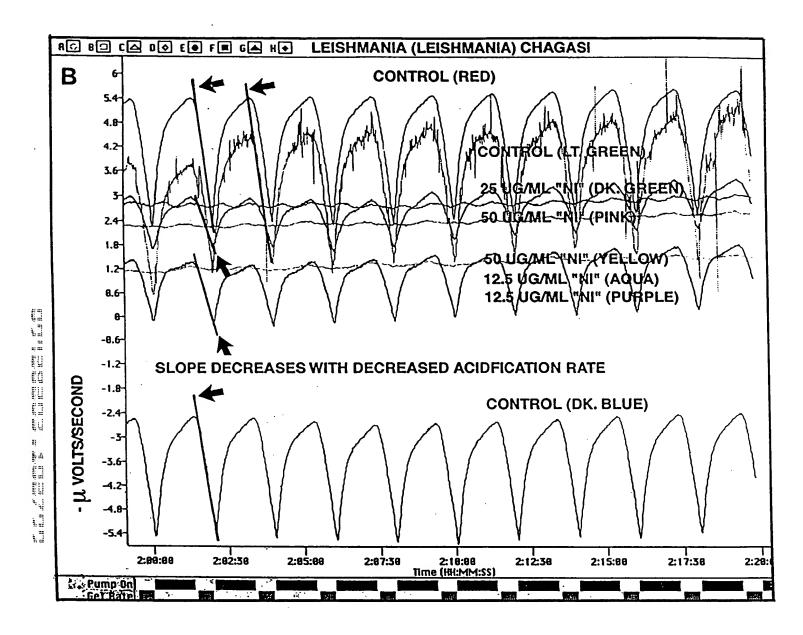
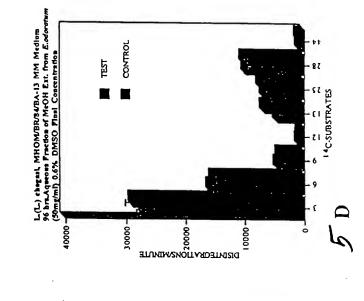
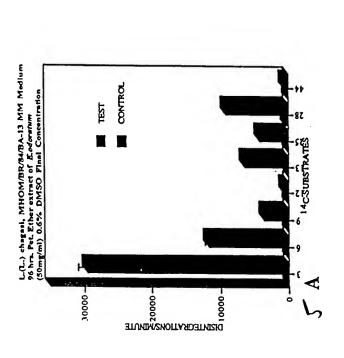


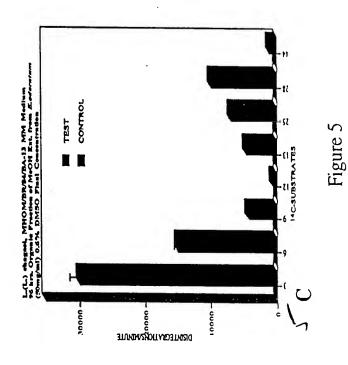
Figure 4B

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2 865		
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	မိုး႐ှ-	12.5 UG/ML "NI"
	(7)	
	611.	
1	415-	
1	30-	
	15-	DARK GREEN
		50 UG/ML "NI" 6:50:00 /:00:00 7:10:00 7:20:00 /:30:00
-	Chamber A	YELLOW & PINK TIME (HH: MM:SS)
	Chamber 8 Chamber 0	
	Chamber E Chamber E	
	Chamber f Chamber (Chamber :)
_	CRAHIIIA :	

Figure 40

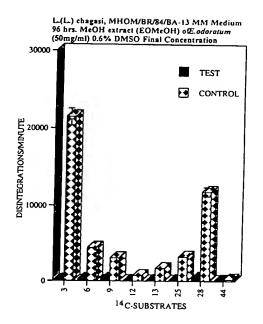


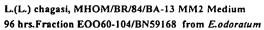


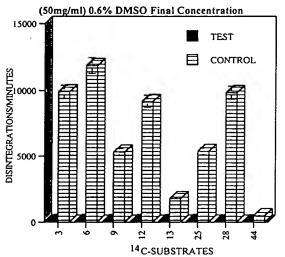


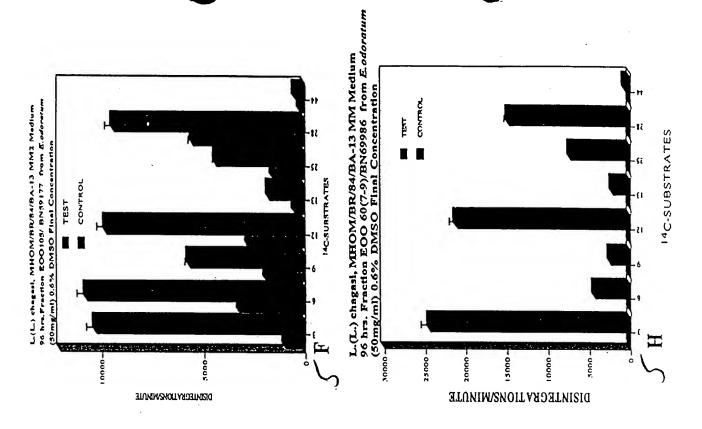
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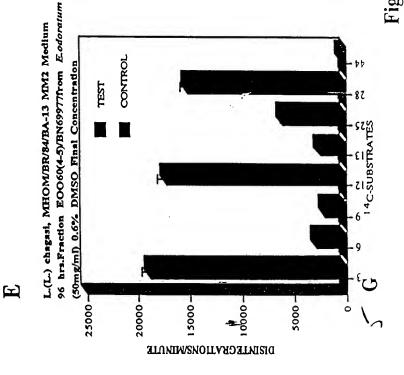












6.

Fig. 6

TABLE 1

Numeric code abbreviations of 'C-substrates used for drug tests*

Numeric Code	14C-Substrates+	<u>Commercial</u> <u>Source</u>
2 .	L-Arginine (guanidino-14C)	A++
3	L-Aspartic Acid (4-14C)	. A
4	L-Asparagine (U-14C)	A
5	L-Glutamic Acid (U-14C)	Α
6	L-Glutamine (U-14C)	Α
7	Glycine (U-14C)	A
9	L-Isoleucine (U-14C)	Α
10	L-Leucine (1-14C)	A
12	L-Methionine (1-14C)	Ä
13	L-Ornithine (1-14C)	A
15	L-Proline (U-14C)	A
17	Taurine (U-14C)	A
18	L-Threonine (U-14C)	, A
20	Tyramine (7-14C)	Α
24	L-Fucose (1-14C)	А
25	D-Galactose (1-14C)	A
28	D-Mannose (1-14C)	A
42	Orotic Acid (carboxyl-14C)	Nss
44	Succinic Acid (1,4-14C)	И
46	Na-n-Butyric Acid (1-14C)	A
49	D-Glucosamine (1-14C)	A
52	Na-Glycocholic Acid (1-14C)	A
53	L-Methionine (methyl-14C) 19	A

TABLE 2.

In vitro Antimalarial Activity of Isolated Compounds Against Clones of Plasmodium falciparum

		IC_{50} (μ g/ml)		
Compounds	Plant Source	W ₂ clone	D ₆ clone	
Labda-8(17),12-diene-15,16-dial (I)	Aframomum daniellii	96.66	280.18	
Sakurenatin (II)	Eupatorium odoratum	164.95	123.88	
Aulacocarpin (III)	Aframomum aulocacarpus	2224.72	146.72	

FIGURE 7

Table 3.

In vitro Activity of Plant Extract vs Growth of African Trypanosomes.

		EATRO 110	KETRI 243	KETRI 269	KETRI 243-
Picralima nitida pfr2 SU-	367	9.2	15.1	8.4	As-10 3
Picralima nitida pfr3 SU		1.1	6.1	8.2	8.5
Picralima nitida pfr4 SU-		64	5		11
Aframomum melegueta h		102	21.5	500g/ml-22%	500mg/ml-13%
Aframomum aulocacarpu		9.0	8.5	5OO?g/ml-22%	47
Aframomum melegueta N		8.4	7.2	12.6	14.9
Aframomum melegueta a				15	30
Gongronema latifolium C	•	500μg/ml-38%	500μg/ml-14%	5OOμg/ml-44%	5OOμg/ml-22%
Gongronema latifolium e		134	74	79	51
Grape seed2032 SU 719	XI 30-103	5OOμg/ml-16%	500μg/ml-8%	5OOμg/ml-7%	500μg/ml8%
	1.670	1.9	2.0	1.6	3.4
Albizia ferruginea hex SI Uvaria chamae rt DCM S		18.0	19.6	28.9	40.55
		115	229	114	117
Morinda lucida DCM SU		33	32.5	30.0	39.0
Dracaena mannii pDM-X		6.5	5.4	6.8	6.2
Picralima nitida PNP-2 S		15.0	16.9	18.0	13.5
Picralima nitida PNP-4 S		13.5	8.3	12.5	12.6
Picralima nitida PNP-8 S		14.1	16.0	18.0	15.1
Kigelia africana MeOHSI		119	73.0	74	78
Araliopsis tabouensis Me		6.4	64.0	59	105
Araliopsis tabouensis AT		500	•	=	=
Araliopsis tabouensisAT7		100	•	-	• .
Aframomum aulocacarpu.					
(aulacocarpin) A		0.86	-	-	-
Dracaena mannii Mannisi			-	-	-
Napoleonaea imperialis S		1.75	•	-	-
Mezoneurum benthamiam		44	19.5	18.5	-
	SU-1750	19	76	37	-
Eupatorium odoratum L N		50μg/ml	-	-	-
compound sakuranetin	SU-1751	20	20.5	73	-
Gnetum africanum	SU-1752	202	190	225	-
Picralima nitida					
CompoundBN79508*	SU-1753	-	-	-	-
Plantex vellous	SU-1756	75	18.5	13.5	•
Plantex vellous	SU-1757	1.5	-	13	-
Fagara lemairei	SU-1758	2.2	2	2.05	-
Fagara lemairei	SU-1759	20.5	170	130	-
Erythrina senegalensis	SU-1760	7.2	9.1	15.5	_
Erythrina senegalensis	SU-1761	18.9	20	22	_
Mitracarpus scaber	SU-1762	98	105	71	•
Olax viride	SU-1763	195	32%@ 500µg/ml	235	_
Chasmanthera dependens.		225	225	-	-
Glossocalyx brevipes ext	SU-1464	0.77	-	-	
Glossocalyx brevipes					
Neutral fraction	SU-1768	0.78	0.76	0.715	-

Dorsternia barteri	SU-1769	7.5	7.3	15.25	-
20.000,,,,,,	SU-1770	16.5	19.5	16	-
	SU-1771	54	60	-	-
	SU-1772	50	47	•	•
Garcinia kola Heckel	SU-1773	210	210	-	-
Pentamidine		0.00048	0.00186	0.00192	0.003
Melarsen Oxide		0.00077	0.0025	0.0066	0.0072
(-) = not tested					

SU = Submitter number.

FIGURE 8 Continued

Table 4

Minimum Inhibitory concentration (MIC) of Plant Extracts against Trichomonas vaginalis strain CI-NIH

Fig. 9

		MIC (mg/ml)		
	•	CI-NIH	CDC-085	KV-1
	Lab. No	48 hrs	48 hrs	48 hrs
Gongronema latifolium	SU-105	>2.50	2.50	2.50
Dracaena mannii	SU-175	2.50	2.50	2.50
Picralima nitida	SU-367	12.50	12.50	0.78
Picralima nitida	SU-369	0.62	1.25	1.25
Picralima nitida	SU-370	2.50	2.50	2.50
Gongronema latifolium CHC13	SU-614	1.25	0.62	1.25
Albizia ferruginea hex	SU-679	0.62	0.62	0.62
Grape fruit seed 2032	SU-719	0.31	0.01	0.15
Araliopsis tabouensis MeOH fr	SU-724	0.62	0.62	2.50
Morinda lucida DCM	SU -740	1.25	1.25	1.25
Aframomum melegueta hex	SU-766	1.25	1.25	2.50
Kigelia africana MeOH	SU-769	0.31	0.62	0.62
Aframomum melegueta CHC13	SU-787	0.62	1.25	2.50
Aframomum melegueta MeOH	SU-798	1.25	0.62	.25
Uvaria chamae nt DCM	SU-799	0.15	0.31	0.62
Aframomum melegueta aqueou	ısSU-813	2.50	2.50	0.15
Picralima nitida PNP-2	SU-846	2.50	1.25	2.50
Picralima nitida PNP-4	SU-847	2.50	2.50	2.50
Picralima nitida PNP-8	SU-848	2.50	2.50	2.50
Metronidazole		0.003	0.40	0.004